

## Product Evaluation

### RE: Review of ACZ-350 Portable TL-2 & TL-3 End Treatment

#### **PRODUCT**

The ACZ-350 Portable TL-2 & TL-3 End Treatment is manufactured by Valtir LLC. located in Addison, Texas. It is distributed by Barricades and Signs Ltd. Located in Sturgeon County, Alberta.

### **VENDOR CLAIMS AND INFORMATION**

#### **CLAIMS**

The ACZ-350 Portable TL-2 & TL-3 End Treatment has been tested to the guidelines as specified in NCHRP 350 TL-2 & TL-3, as a non-redirective, gating crash cushion for work zone protection. Product Web link: <https://www.valtir.com/>

#### **DESCRIPTION**

The ACZ-350 Portable TL-2 & TL-3 End Treatment system is designed to perform as a narrow, non-redirective crash cushion to shield the blunt ends of both permanent and variable length portable concrete median barrier and steel median barrier systems. ACZ-350 system consists of a sheet metal nose, four water filled plastic shell segments and a steel transition pinned together to act as an end treatment. The nose is constructed of light gauge steel and connects directly to the front most water filled segment.

#### **POTENTIAL USAGE**

ACZ-350 Portable TL-2 & TL-3 End Treatment is ideal for work zones, is easily transported and installed with no roadway anchors.

#### **STANDARDS**

NCHRP 350 TL-2 & TL-3

### **ALBERTA TRANSPORTATION COMMENTS**

#### **EXPERIENCE**

Alberta Transportation has used this product in multiple projects.

#### **APPLICABLE STANDARDS**

Alberta Transportation does not have a standard for crash attenuators.

#### **RECOMMENDATIONS:**

ACZ-350 Portable TL-2 & TL-3 End Treatment be listed as a Reviewed Product under Alberta Transportation Products List, Highway Safety Devices – Impact Attenuators – Proprietary, based on the information provided.

**CAVEATS:** Above freezing temperature requirement for water filled barrier. Not to be used in winter or at the time temperature is 0 °C or below.

### **TRIAL PROJECTS**

Turning Lane HWY 2 SB at HWY19 Nisku, HWY 2 SB between 41st Ave and Hwy 19 Nisku (2017), TND11903 - HWY 2 North of Airdrie between HWY 72 and HWY567 (2018), HWY 2 & EB Stoney Trail N (2018), HWY 2 SB near Gasoline Ally Red Deer (2018)

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